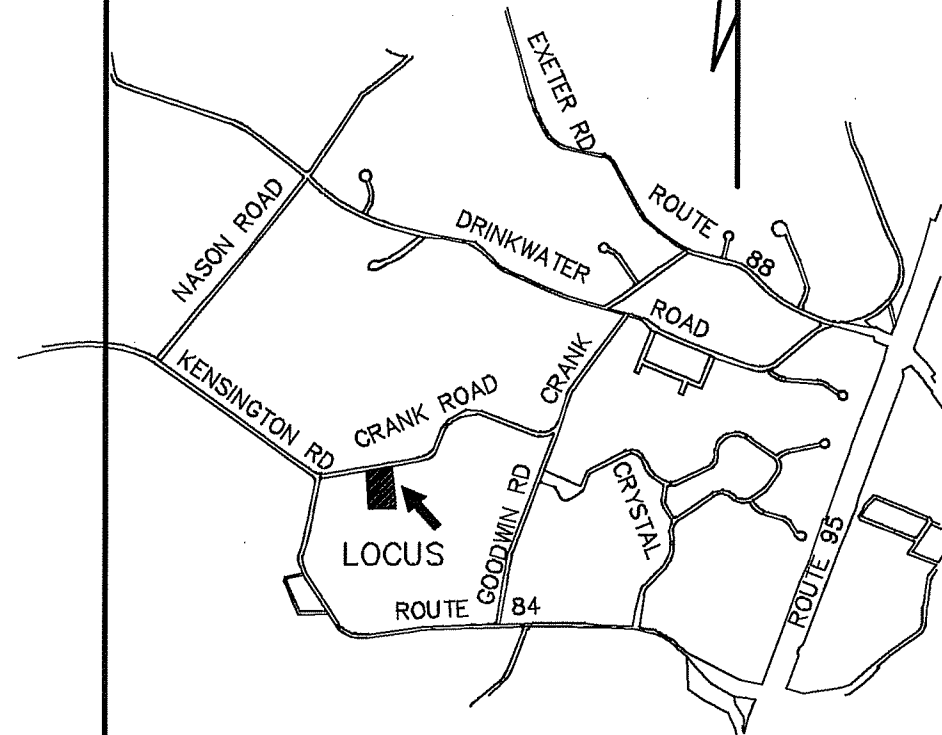


# LOCUS MAP

NOT TO SCALE



SOIL CLASS: 447 SCITUATE-NEWFIELDS

(SOURCE: USDA-SCS SOIL SURVEY)

BENCH MARKS: DATUM = CA1996003676

#1 FND NAIL COR FOUNDATION EL 100.00 ASSUMED

#2 SET NAIL 4" YELLOW BIRCH EL 96.16

#3 TOP EXISTING SEPTIC TANK EL 98.62

## DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 96.8 WHICH IS APPROX 26" BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. (EL 99) SHWT INTERPOLATED AT EL 94.2 AT SOUTH END OF LEACH FIELD FOR 30'+ SEPARATION. SHWT INTERPOLATED AT EL 91.5 AT NORTH END OF LEACH FIELD FOR 5'+ SEPARATION.

## SUITABLE REPLACEMENT AREA:

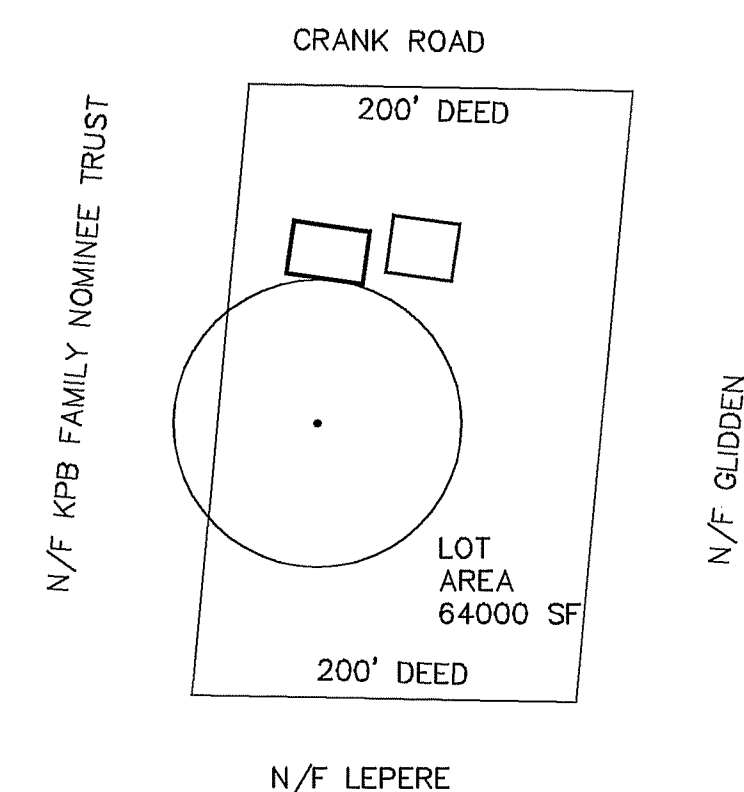
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

## LEGEND:

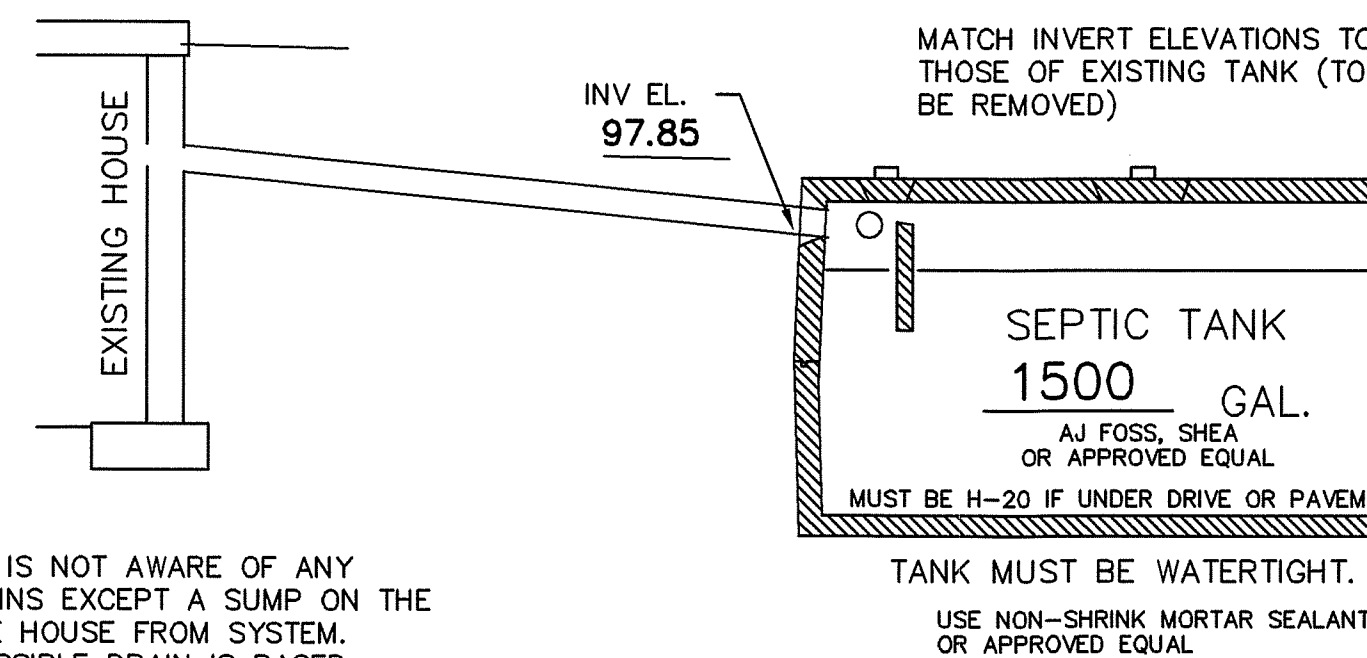
50' EXISTING CONTOUR  
(30') PROPOSED CONTOUR  
50.0 EXISTING SPOT ELEVATION  
(50.0) PROPOSED SPOT ELEVATION

## NOTES:

- THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:  
DEED RCRD 3464-2312
- NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD  
REF: PREVIOUS APPROVAL CA1996003676
- THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
- NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.  
NO HYDRIC SOILS (A OR B) WITHIN 75' OF SYSTEM.



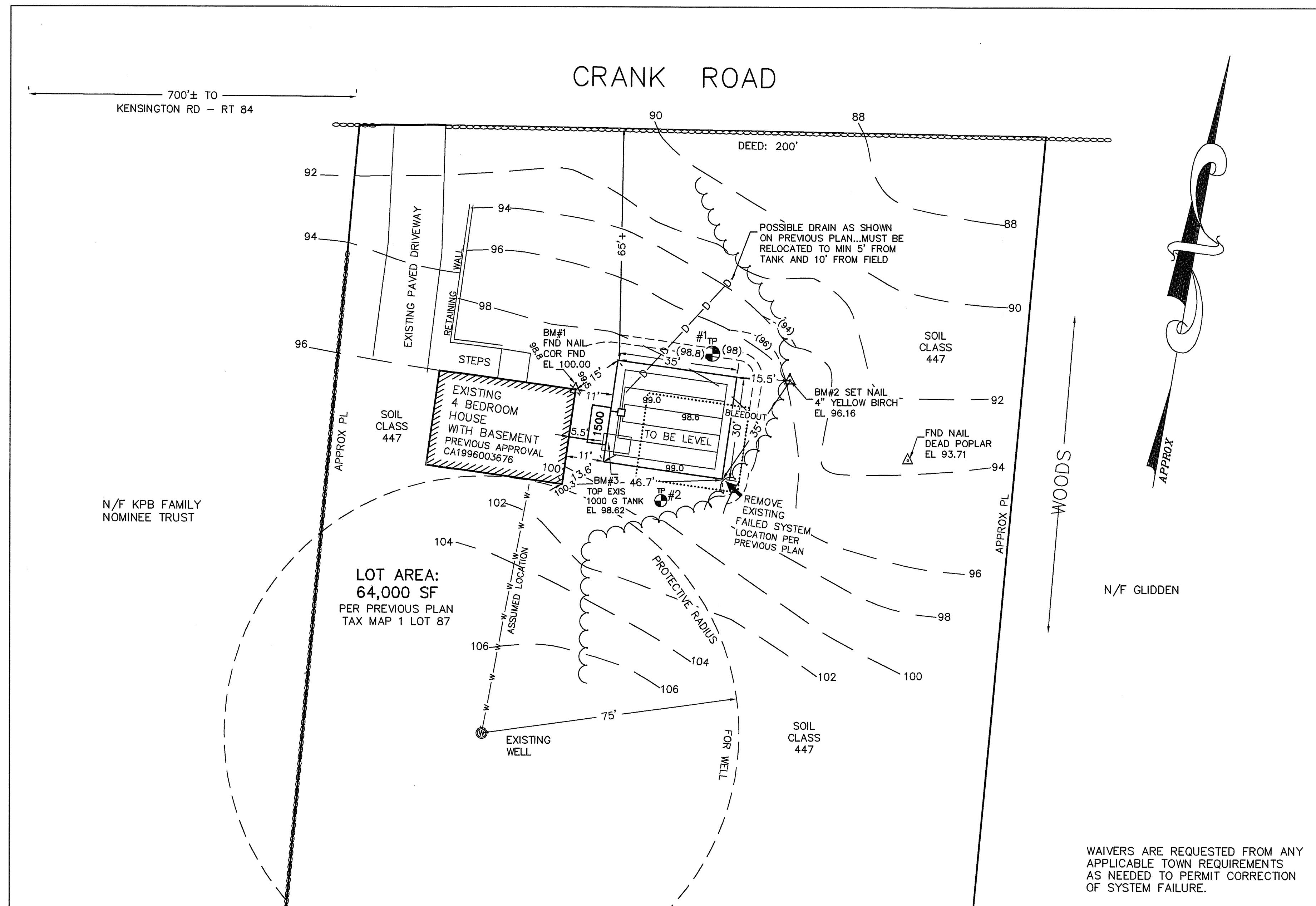
PLOT PLAN 1" = APPROX 100'



CURRENT OWNER IS NOT AWARE OF ANY FOUNDATION DRAINS EXCEPT A SUMP ON THE FAR SIDE OF THE HOUSE FROM SYSTEM. NOTATION OF POSSIBLE DRAIN IS BASED SOLELY ON PREVIOUSLY APPROVED PLAN. IF DRAIN IS ENCOUNTERED, RELOCATE AS NEEDED SEE PLAN VIEW (CLOSED PIPE)

## CROSS SECTION DISPOSAL SYSTEM - NOT TO SCALE

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV-WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.  
(b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.  
ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.  
ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.  
ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

## TEST PIT DATA

DATE: APRIL 27, 2009  
TOWN INSPECTOR: RICHARD BOND

### TEST PIT #1 EL 96.7

0-17" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE  
17-24" 10YR4/6 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE  
24-30" 2.5Y5/4 LOAMY FINE SAND, GRANULAR FRIABLE  
30-34" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE  
34-44" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE  
44-48" ORIGINAL TOPSOIL. 10YR4/4 FINE SANDY LOAM  
48-69" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE  
69-84" 2.5Y5/4 LOAMY FINE SAND, FIRM IN PLACE, MOTTLED

ESHW @ 69", OBSERVED WATER @ 69", NO REFUSAL.  
ROOTS TO 48"+

### TEST PIT #2 EL 98.7

0-12" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE  
12-34" 10YR4/6 FINE SANDY LOAM, GRAN FRIABLE, SOME STONE  
34-44" 10YR4/6 GRAVELLY LOAMY COARSE SAND  
44-60" 2.5Y5/4 LOAMY FINE SAND, MOTTLED

ESHW @ 44", OBSERVED WATER @ 44", NO REFUSAL,  
ROOTS TO 48"+

## PERC TEST DATA

DESIGN PERC RATE : USE 4 MIN/IN BASED ON TEST PIT #2 SOILS (ORIGINAL GROUND) AND PROPOSED REPLACEMENT OF SUBGRADE UNDER BED.

DESIGN LOADING: EXISTING 4 BEDROOM HOUSE

825 SF X 1.25 (HAMPTON FALLS)  
AREA REQUIRED: = 1031 SF REQUIRED

AREA PROPOSED: 30' X 35' = 1050 SF PROVIDED

## PROPOSED REPLACEMENT SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

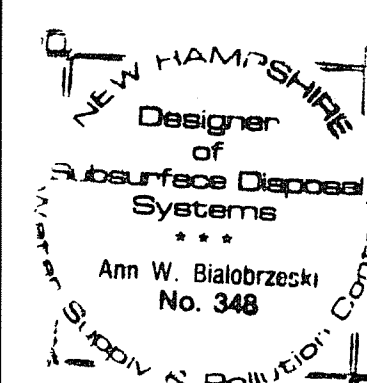
LOCUS: 48 CRANK ROAD, TAX MAP 1 LOT 87

HAMPTON FALLS, NH, NH

OWNER: MICHAEL & ANGELA BRAMANTE

48 CRANK ROAD

HAMPTON FALLS, NH 03844



APPLICANT:  
STOCKTON SERVICES  
PO BOX 1306  
HAMPTON, NH 03843-1306  
603 929-7404

DATE: JUNE 17, 2009

APPROVAL: CA2009097690